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Serial No. 09/326,402



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Bougueleret, Lydie
Chumakov, Ilya

<120> Polymorphic Markers of Prostate Carcinoma Tumor Antigen-1 (PCTA)

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<141> 1999-06-04

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<151> 1998-06-05

<150> 60/102,324

<151> 1998-09-28

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<170> PatentIn version 3.1

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<223> 99-1572-315_T_AS complement

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<222> 67113..67143
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<223> 99-1572-477_T_AS complement

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<222> 67113..67143

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<223> 99-1572-578_C_AS complement

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<222> 67215..67247

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<223> 5-2-162 : polymorphic amino acid Tyr or Phe

<221> VARIANT

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<223> 5-2-213 : polymorphic amino acid Cys or Arg

<221> VARIANT

<222> 55

<223> 5-3-84 : polymorphic amino acid Val or Met

<221> VARIANT

<222> 183

<223> 5-7-195 : polymorphic amino acid Ser or Arg

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Val Ile Cys Gly His Val Pro Ser Asp Ala Asp Arg Phe Gln Val Asp
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Thr Gln Glu Lys Trp Gly Trp Glu Glu Ile Thr Tyr Asp Met Pro Phe	
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aga aaa gaa aag tcc ttt gag atc gtg ttc atg gtg ctc aag aac aaa	456
Arg Lys Glu Lys Ser Phe Glu Ile Val Phe Met Val Leu Lys Asn Lys	
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Thr Ser Ala Leu Gly Leu Thr Gln Ile Asn Arg Glu Asn Ile Gln Lys	
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Pro Gly Lys Leu Gln Leu Ser Leu Pro Phe Glu Ala Arg Leu Asn Ala	
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Ser Met Gly Pro Gly Arg Thr Val Ile Lys Gly Glu Val Asn Thr	
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Ile Ala Leu His Leu Asn Pro Arg Leu Asn Val Lys Ala Phe Val Arg	
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Asn Ser Phe Leu Gln Asp Ala Trp Gly Glu Glu Glu Arg Asn Ile Thr	
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Cys Phe Pro Phe Ser Ser Gly Met Tyr Phe Glu Met Ile Ile Tyr Cys	
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Asp Val Arg Glu Phe Lys Val Ala Ile Asn Gly Val His Ser Leu Glu	
275 280 285	
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Tyr Lys His Arg Phe Lys Asp Leu Ser Ser Ile Asp Thr Leu Ser Val	
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Asp Gly Asp Ile Arg Leu Leu Asp Val Arg Ser Trp *	
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Val Ile Arg Gly His Val Pro Lys Asp Ser Glu Arg Phe Gln Val Asp
          35          40          45
Phe Gln Leu Gly Asn Ser Leu Lys Pro Arg Ala Asp Val Ala Phe His
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Phe Asn Pro Arg Phe Lys Arg Ser Ser Cys Ile Val Cys Asn Thr Leu
65          70          75          80
Thr Gln Glu Lys Trp Gly Trp Glu Glu Ile Thr Tyr Asp Met Pro Phe
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          100          105          110
Phe Gln Val Ala Val Asn Gly Arg His Val Leu Leu Tyr Ala His Arg
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Pro Gly Lys Leu Gln Leu Ser Leu Pro Phe Glu Ala Arg Leu Asn Ala
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Asn Ala Arg Ser Phe Asn Val Asp Leu Val Ala Gly Lys Thr Arg Asp
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Ile Ala Leu His Leu Asn Pro Arg Leu Asn Val Lys Ala Phe Val Arg
225          230          235          240
Asn Ser Phe Leu Gln Asp Ala Trp Gly Glu Glu Glu Arg Asn Ile Thr
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Cys Phe Pro Phe Ser Ser Gly Met Tyr Phe Glu Met Ile Ile Tyr Cys
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